



## MULTI-POINT SEAT BELT

### CROSS REFERENCE TO RELATED APPLICATIONS

This is a divisional application of the US-serial number 09/554,463 related to an international  
5 application number PCT/DE98/03270 (WO 99/24294, European Patent EP 1 037 773 B1,  
German Patent DE 197 49 780 C2) filed Nov. 10, 1998.

### BACKGROUND OF THE INVENTION

#### 1. Field of the Invention:

It is an object of the present invention to adapt a belt-feeding device to the seat-design and,  
while preserving user-friendliness, to ensure the restraint of every passenger of a transport  
system and to lower all acceleration-dependent forces imposed on them in order to enhance  
the survival chance in the event of any accident (front-, side-, rear-end collision and/or  
rollover or pile up/mass collision) or during in-flight turbulence.

#### 2. Discussion of the Prior Art:

It is known in the prior art to provide for a passenger of a transport system

- a three-point seat belt (safety belt or lap-shoulder seat belt assembly), mounted in the  
motor vehicle, consisting of a shoulder belt extending across his upper body and of a lap  
belt extending across his lower body; or
- 20 - a two-point seat belt, mounted in the aeroplane, acting as a lap belt extending across his  
lower body; or
- a suspender- (waist-) belt consisting of several pieces (belt-members).

In order to formulate in single terminology a generalized definition is presented for the  
25 proper term:

#### Definition:

"Transport system"

"Stiff first transport-system  
member"

#### Proper Term:

Motor vehicle or train or ship or aeroplane

Floor 6 of the transport system adjacent to a first seat-side  
SR (Fig. 1) or seat-cushion frame at the first seat-side or  
mid-tunnel (not drawn) of the motor vehicle adjacent to the